force of the burning powder was

greately decreased when the fure was

under pressure, although as seen in

No. 117, considered in connection

tuse, especially if is be applied sev-

those so as In roll or crush the line.

extent that when the end of the func-

oles, was doubtless of this mature

and was due to crushing and crimp

ing the fuse at its fip, as shown b

an Investigation of the single car

MISFIBE CAUSES IN **BLASTING EXPLAINED**

(Continued from Page One):

beyond the blocks in the direction. of the fire. The flash was more via: ploded. orous than in the case of loose fuse. In Number tested, 20, insecut by the vice. In No. 7 and 8 this 8. A piece of fure was strongly square and of fune 1, in, from this pressure exerted itself in forcing the grapped in a vise as in No. 7, but intracte: crimped with one modernto fire through the remaining butt inch between an iron block on our side bressure at end of cap. All exploded of fuse, and thereby increased the and a place of hard beling leather . Sumber tested, 20, fung on strongth of the thick. Experiments

blocks, so that none protruded. The recording or is in beyond and of those.

in laws of Cultionia crimpure, and p. Namber tested, 20; time viii fficient to insure a strong flash. licated at the other ent. The flush with long shart and pushed firmly. Of the experiments with case, No. end of the face was crusted twice exponent a few sparks merting through, and around esp. All exploded

fuse. When the flush occurred a with one moderate pressure at end in from the fulnituate although it considerable quantity of moisture of cup. All exploded,

one moderate pressure at and of cap. Lity of this is under consideration.

widths of crimper, revelued quarter in the point where the time left the

up to within the past mouri-

turn and crimped again. All ex- vise is explained as the result of the

15. Number tester, 26: time cut The powder train, while burning be pairs; and of Pass to contact with tween the vise-jaws, was compelled commission crimped hard with select to do so under an unusual pressure of comper to us to bruise ruse, and from the resulting gases. In order then crimped bard in the regular to force them through the constricted way for two widths of crimper; cap opening; and this pressure was so had battered appearance. All ex- fficient to repture the wails of the

on the other. The firsh was vigorous square, and of time it in trans Let notate cringwed hard with pressur-2. Two pieces of ruse were grip-tree widths of crimper, so that crim-theirped as in No. 8, but the end of lat extended to the of fine, revolved theirped as in No. 8, but the end of the extended to the of their revolves. No. 8, the rate of burning was not the fuse was flush with odge of built over and crimped again. No. 8, the rate of burning was not the fuse was under

the crimping surface of the crimpara square; and or tuse in collect with even when the crimping was unand then held firmly in the stimpers, following strong with the flash was extremely weak, only making deeply indented groots that no experiment was made with the same to Arizona

The result of these tests point it Experiments With Caps. Insitely to the especially and crush- the 4f it were followed remarks.

All caps, with the exception safed, ins to the extreme and of the rush. 12. Sumber tested, 50 feet cut though they were not conducted on bordly be active and suc that would in Sonbra. One of the revolutionary the affair to Col. Morison who was squary; and or time placed is lonse a large enough scale to be considered chardly by suspected without a spesquary, and or the pieces in nonce a large should sent to be considered can investigation. The experiments States side of the line,

Experiment 6 showed that pressure equares end of fuse in bosse contact any appreciable resent and illd not with foliminate, crimped ford two extinguish the fuse. The explorion

New Cornelia Attracts

Much Attention Here

(Continued from may 4)

GENERAL SHARE OUTLOOK

they have a feature which they are not willing to part with.

crosse in output is still for below the demand for the red metal.

farse as soon as if was unsupported

R. Pumpelly, Resident of Tuc- against taking them son Before the Civil War, Tells of Exciting Times Had In Territory

TUCSON, March 12.-Tucson was pressure to its extreme and, and the flish was very weak not over to 16 Namber tested, 24: Inso of the flish was very weak Experi a little cluster of Mexican adobe buts bowels need cleansing, give only de square, and of fuse tall, from (a) ments 7, 8, and 11 showed that to and the American population con-20. Several pieces of case were minute, crimped with one moderate in of uncompressed fine lying be islated of mostly funtilives from San pressure at end of case. All exploded word the area of pressure was an Prencisco and California, who had been driven out by the activities of the viligance committee when I first was noticeably weaker than when against inbuinate, splaned with one In. 14, 15, 20, and 22 showed perfect way this place before the outbreak burned without pressure. When the moderare pressure at end of case, All results in all cases where the end of Of the civil war," said R. Pumpelly the tune was cut square and placed at the Santa Rita hotel, this mornon opposite sides with the edges of go. Number lested, 20, to a cut in loose compet with the Dilminate. Dis son. Raphael, arrived from the east Sactirday night and will spend

few sparks merting through, and around esp. All exploded the function in contact with the fulto- the case with end of fuse in contact with the fulto- the outbreak of the civil war and it. Several places of fuse of fuse to the civil war and the fuse as this would have in was mining engineer at the Old Sang-He rame to Arizona first before gripped arronaly in erimpers so that show and left several minutes be valved danger of accidental explo- in Rits mine, south of here and east be in of fuse protended. The first tore apitting. All exploded sion of the culminate in the crimp of Tubas. His stories of the early days are most interesting and give days are most interesting and give 10. A pleas of cold place was hold to a place of cold place and placed in 1600s.

11. A pleas of cold place was hold to the burning contact with following contact with following at each of the furnishing places.

12. No. 5 cans number tested, as, ing process.

13. No. 5 cans number tested, as, ing process.

14. A pleas of cold place of the hardships those contact with following contact with the cad of the furnishing places.

15. A pleas of cold place of the hardships those contact with following contact with following contact with the cad of the furnishing places.

16. A pleas of cold place of the hardships those contact with following contact with the cad of the furnishing places.

18. A pleas of cold place of the hardships those contact with following contact with the cad of the furnishing places.

18. A pleas of cold place of the hardships those contact with following contact with following contact with the cad of the furnishing places.

18. A pleas of cold place of the hardships those contact with following contact with the cad of the furnishing places.

19. A pleas of cold place of the hardships those contact with following contact with the cad of the furnishing places.

19. A pleas of cold place of the hardships those contact with the cad of the furnishing places.

19. A pleas of cold places of the hardships those contact with the cad of the furnishing places.

19. A pleas of cold places of the hardships those contact with the cad of the furnishing places.

19. A pleas of cold places of the hardships those contact with the cad of the furnishing places.

19. A pleas of cold places of cold places of the hardships those contact with the cad of the large places.

29. A pleas of cold places of the hardships those cold places of the hardships those cold places.

29. A pleas of cold places of the hardships those cold places of the hardships is conestrable that with work time Miami mistires might secur from this prac-

many escaped Australian convicts in Mr Primpelly said that the troubthat part of the west and a large started over the stealing of a hoy when that pressure at the tip of the

Arismus the Indians were not bad Bascom to proceed after the Indians H expressed and expressed and the first the rate of birthur to thought tested, 70, the cut did not after the rate of birthur to thought tested, 70, the cut did not after the rate of birthur to thought tested, 70, the cut did not after the rate of birthur to thought tested, 70, the cut did not after the rate of birthur to thought the rate of birthur to the rate of They would steal hurses and cattle and disayrance the powder train, do and now and then kill a Mexican, but | Three tribes of Apaches were st chieuly weakens the Each to such an they showed no outright hostility to Drogoon pass and Bascom and bis ward Americans

> to take the warpath and to make whom was Cochine, came to the wo southern Artsons a very hell for the discs camp to hold a puriey with the white settlers as told by Mr. Pumpelly soldlers. They were taken into a tent

The price of electrolatic copper holds firmly around 14 2 fe asked in New heather. Probably if the Disc were two and in good repair, so that they even, the Indians branch forward Lock and at the in Lemion with the bulk of the sales betting 14.5c f o. b. warm, the shanton and would show may be used in emergencies or at Mexican captives they were holder a greater tendency to carl over when the price of copper is and strong them up bend down York. This price much has been maintained for ever a month now pressed amainst the folialisate and first and it may be advisable to push stent of the soldiers. Discom orders

warm fuse, because if would then be will cost about \$4,000,000. At Great the fort. Palls about \$1,750,000 will be spent. As soon a The other operating companies are at 75 per cent to full capacity. The Experiment 21 was made to test A new refiners to being constructed their barracks, they were copper producing industry today, taken as a whole is operating at 70 to 75 the possibility of unfeltra being caused at Great Falls which will have A pack for the march was per cent of especies, producing between 165,000,000 and 116,000,000 pounds of my the condensation of moisture in especies or 10,000,000 th. of copper in the civil war which was that the the first (experimential) on the cold per month. It will replace the not breaking out. All the regulars is Telminate, so as to prevent its ex. refinery which has been in operation Arisons were withdrawn by the tel plasion, but the result was negative. A great many years and which is eral government and then the Indian I realize that to sonke experiments no longer aconomical. The new plant went wild and because a compaism of for more than 70,000,000 pounds of copper, it is reported. Shipments to 0/ (b)s kind complisive as to the pro- will, however, have twice the capa- killing and butchery of the whites portion of missed holes caused by city of the old plant. The refinery Mr. Panipolly narrowly escaped to The different methods of attaching will be kept in operation, partly or ing killed and one of the men at the the cap to the ruse, it would be ne- entirely, in copper shipped from Ana infine was killed excently areately to forcease the conda depending on whether or not member of touts, but, as I started by the Greet Falls smelter is in opera. Acong with the Indian herrors, the ere, my object was rather to test tion. The new amelter at Great Falls lawless white population aided by the vance in the dividend-paying corper securities on the New York Stock the completes and the polyerized renegate Mexicans began a reten-Exchange. Miami, Utah, Smelters, Annualgamased, Azaconda, Chine, Ray Gone made singer working conditions, coal system, which has proved so ferror. No such thms as civil has or and incidentally to learn anything fracecosful at Anaconda, will be up listed. It was each man for bilined sien that mean come up, and the plied to the Great Patis furnace. Coal and killing was every day because anyther of trial, were engine at the from the Lochray controlds to to be remose with no law to prevent. Some this purpose. At I hopest, the, show burned. The ask content of this times a man who was not particularly of up the case with which minutes road is high but this has not proved popular would down a man who had to blo be caused by a ellipto carry detrimental, light the output per friends and the idlier wood be store con from the community approved furnises and the commune amplied per log for Albuquerque, where there was method of attaching foss at-1 cap, two of cost will be greately increased supposed to be some kind of a govern over the old system of gas firing, ment. The encurting parties won To signaries my conclusions, I No concentration of ore will come generally, return within a short time resid make the following resons to Anacouda and concentrate only and the body of the killer would be subspect from there. The found later handing to a tree. All the I. Out the face agains, with an blast-furnace department at Great law there was in this part of Ariistrument that does not mask the Palls will also be closed, and all some in those days, says Mr. Pumpel end, such as a sharp knife, a pair of conciling will be done in reverbera, by, was what was in the concilence

dustry at Anaconda and other points.

CHILDREN HATE OIL,

"California Syrup of Figs" best for tender stomach, liver, bawels -tastes delicious.

Lork back at your childhood days. Remember the "dose" mother insisted on-castor oil, calomel, cathariles, How you hated them, how you faught

With your children it's different, Mothers who cling to the old form of physic simply don't realize what they do. The children's revolt is well founded. Their tender little "lumides" are injured by them.

If your child's stomach, liver and Helons "California Symp of Pigs Its action is positive, but gentle, Mill tions of mothers keep this narmless 'fruit laxative" handy; they know children love to take it; that it nove falls to clean the liver an bowel and sweeten the stomach, and that a tempounful given today saves a slote

Ask your druggest for 50-cent hot tle of "California Syrup, of Pres." which has full directions for babies children of all ages and for grown-upplainly an each bottle. Baware of Jounterfeits sold here. See that if to made by "California Pig Syrup Company." Refuse any other kind

ste In Arizona, being interested at the comonly accepted version of the

leaders was in hiding on the United at Port Buchanan, which was on the When the Pumpelly first came to first of the troops ordered Lieut

commund arched there: Under The story of how the Apaches came Bag of truce and six chiefs, whome and it is understood that they denied any knowledge of the kidnapping o the child or the stealing of the Mox-Ican woman's cow. There was a quarel between the military officers and the Indiana and Lieut. Bescom or lered the Apaches seizes and bermi Cachine understanding what was to happen grabbed up a knife and slassed his way, through the tend and run is direct connected to steam try fired on him as did some of the

als of 66 2 5 per cont capacity, compared with 50 per cent operations in vosue crimping would be increased with The improvements at Anaconda com was forced to retries back to

Reign of Terror. of the citizens. There was no other

2. Insert the fuse into the cap the that has accumulated during the situation, the Mexicans Secure ununtil the end is in loose contact with past years to such an extent that may and killed nonny Americans. They about Il. 2000,000 tong is available for killed all the white men at the San 5. Uso the California eclinper redrestment, is nearing completion Pedro mining camp and in their reids throad type,) giving the cap one and will probably be started entry in the cape and in their raids of trils open right up, the air passages after squares close to the open end. April, it will treat from 2.00 to 2.500 clero. Colorado camp, Col. Poston's of your head are clear and you can it working where there is water in tons per day of talling containing units. Conditions became so had that breathe freely. No more hawking, the bear proposed the can from damp. Trops 12 to 14 to 15 the holes, protect the cap from damp. from 13 to 14 th, of copper per ton, madly there were only six or eight shuffling, mucasous discharge, headand will make from 900,000 to 700, respectable white men left in south ache, dryness no struggling for

Many a resonant sufferer has been to the drug store for a bottle of S. S. and been handed something chained to be drug store for a bottle of S. S. and been handed something chained to be drug store for a bottle of S. S. and been handed something chained to be drug store a store in several something chained to be drug store a store in several something chained and man handling and been handed something chained and man handling chained to be drug store as store in several something chained and man handling chained and man handling chained to be desired to be any over the lips of the fine had been handed something chained to be any over the lips of the fine had been handed something chained to be several to be in a sufficient to keep it in any horse to several something chained to the Konkeet stemant. It may have drag store to be something chained to the Konkeet stemant. It may have drag store to be something chained to the Konkeet stemant. It may have drag store to be something chained to the something chain

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(Continued on page (ive) Our Want Adds Bring Results

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Europe are now at the rate of over 55,000 000 pounds monthly, making a to-

tal domestic and foreign demand of over 125,000,000 pounds per month.

A further rise in the price of copper metal is mendment.

and Nevada Consolidated all showed strangth.

In the short Pelicuary month domestic communers alone pulsoed orders

The strong situation in copper and the coppers was reflected by an ad-

Makes Short Work of Cleaning Out Your Entire System-Aches and Pains Go Fast.



In S. S. S. You Get a Twist on Rheumatism that Settles It.

recasing and it is very apparent that those in passession of the stack feel recovered after scaling it in water Cornhieration of caution prevented say from encrying my investigation to it of free air per minute. This blow- toward the lading camp. The sen the extent that my exemplayer did. or Experiment 19 tailed to produce turbine and pune at about 2,600 c.p. other soldiers, and before reaching The situation for copper metal and copper securities today is stronger any mishres, although the practice up. It is now in operation and has his friends. Cuchico was struck by than at any time in the has year or more and is arowing stronger hearing the time with a long with a long slave proved nightly successful. The blast three bullets. The lines producers have stepped up production very markedly, but the he de contractly by a cause of furnace and the bequesting plants. In sight of the Indian cause the nishres, and cannot be recommunicated, will, under the new system, be no five chiefs who had been swized by The experiment was made in cold longer required, but will be nept in Lieut Buscom were hung-

that the chance of miefices from herei ments.

The other operating companies are at 75 per cent to full capacity. The softer and more madic gradies.

Summary of Conclusions.

sheep shears, or, best of all, a bross turies, as at Anaconda.

ness by applying groups or lar-

thin, sharp chinel used with a mal. The new leaching plant of Ann resursing, conds, which will be operated on tail. Taking advantage of the lawless